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S.M.S.L AL200

S.M.S.L AL200 Stereo Integrated Amplifier User Manual

Model: AL200

1. Introduction

The S.M.S.L AL200 is a high-performance stereo integrated amplifier designed for audio enthusiasts. It features a 2-channel Class D audio headphone amplifier, utilizing the MA5332MS chip and XMOS XU-316 for advanced audio processing. The AL200 supports MQA and DSD Native 256 playback, offering a wide range of input options including RCA, Bluetooth, USB, Coaxial, and Optical. An infrared remote control is included for convenient operation.



Image: The S.M.S.L AL200 Stereo Integrated Amplifier, showcasing its sleek design and display.

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Video: An overview of the S.M.S.L AL200 amplifier, highlighting its key features and design. This video demonstrates the product's appearance and some functionalities.

2. Setup

Before operating the S.M.S.L AL200, ensure all connections are made correctly. Refer to the diagram below for proper cable routing.

2.1 Connecting Speakers

Connect your passive speakers to the gold-plated output terminals on the rear panel. Ensure the positive (+) terminal of the amplifier connects to the positive (+) terminal of the speaker, and the negative (-) terminal connects to the negative (-) terminal. Use high-quality speaker cables for optimal performance.

2.2 Connecting Audio Sources

- **RCA Input:** Connect analog audio sources (e.g., CD player, turntable with pre-amp) to the RCA L/R input jacks.
- **Optical Input:** Connect digital audio sources (e.g., TV, game console) using an optical cable to the OPTICAL input.
- **Coaxial Input:** Connect digital audio sources using a coaxial cable to the COAXIAL input.
- **USB Input:** Connect a computer or other USB audio source using a USB Type-C cable to the USB input.
- **Bluetooth:** For wireless audio, ensure the Bluetooth antenna is securely attached to the rear panel.

2.3 Power Connection

Connect the provided power cable to the AC IN 100-240V port on the rear panel and then to a suitable wall outlet.



Image: Rear panel of the S.M.S.L AL200, showing power input, passive speaker outputs (right/left), optical input, USB input, coaxial input, RCA input, and Bluetooth antenna connection.

3. Operating Instructions

The AL200 can be operated using the front panel knob or the included IR remote control.

3.1 Power On/Off

Press the power button on the remote control or the multi-functional knob on the front panel to turn the unit on or off.

3.2 Input Selection

Rotate the front panel knob to cycle through available inputs (RCA, Optical, Coaxial, USB, Bluetooth). Alternatively, use the "FN" button on the remote control to select the desired input.

3.3 Volume Control

Adjust the volume by rotating the front panel knob or using the Volume + / - buttons on the remote control. The volume for

headphones and passive speakers are controlled independently.

3.4 Headphone Output

Connect headphones to the 6.35mm TRS headphone jack on the front panel. The headphone volume is separate from the speaker volume.

Image: Diagram illustrating the integrated 6.35mm TRS headphone jack and its independent volume control for headphones and passive speakers.

3.5 Bluetooth Pairing

For the first connection via Bluetooth, you need to pair the AL200 with your smart device. Select Bluetooth as the input source on the AL200, then search for "S.M.S.L AL200" on your device's Bluetooth settings and pair. Subsequent connections will be automatically established within a few seconds after switching to Bluetooth input or turning on the device. When switching from Bluetooth input to other inputs, playback will automatically pause.



Image: Visual representation of the AL200's Bluetooth capabilities, emphasizing faster transmission speeds, longer transmission distances, and more stable connections.

3.6 Remote Control Functions

The included IR remote control allows full functionality from a distance. Key functions include power on/off, input selection, volume adjustment, and screen control.

- **ON/OFF:** Power the unit on or off.
- **FN:** Cycle through input sources.
- **Volume +/-:** Adjust the output volume.
- **Mute:** Mute or unmute the audio output.
- **Screen Off:** One-touch screen-off function to minimize distractions.



Image: Diagram of the S.M.S.L AL200 remote control, detailing button functions for power, input selection, volume, and screen control.

4. Features

- **High-Resolution Audio Support:** The AL200 supports direct sampling of PCM digital audio up to 32bit/768kHz and native DSD playback up to DSD 256 without conversion.
- **MQA/MQA-CD Full Decoding:** Enjoy master quality authenticated audio with full MQA and MQA-CD decoding capabilities.

Image: Graphic indicating support for MQA and MQA-CD full decoding.

- **Powerful Headphone Output:** A 6.35mm TRS headphone jack on the front panel delivers significant power output, with independent volume control from passive speakers.
- **Advanced Chipset:** Features the MA5332MS power amplifier chip and XMOS XU-316 for high-quality audio processing.

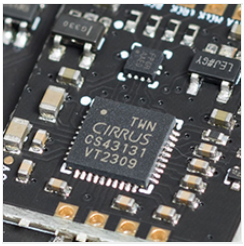


Image: Close-up of the MA5332MS power amplifier chip.



Image: Close-up of the XMOS XU-316 chip.

- **Customizable EQ Presets:** The amplifier includes multiple EQ presets (Direct, Tone, SDB, Bass, Super bass, Rock, Soft, Clear) and allows adjustment of high and low tones within a ±9dB range.



Image: Display showing the various EQ presets and the option for custom adjustment of tweeter/woofer levels.

- **IR Remote Control:** Full control over all functions, including a one-touch screen-off feature to minimize visual distractions.
- **Bluetooth 5.0:** Provides stable and high-quality wireless audio streaming.
- **Output Power:** Delivers 165W x 2 output power.

5. Maintenance

To ensure the longevity and optimal performance of your S.M.S.L AL200, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using liquid cleaners, aerosols, or abrasive materials, as these can damage the finish or internal components.
- **Ventilation:** Ensure the amplifier has adequate ventilation. Do not block the ventilation openings. Avoid placing the unit in enclosed spaces or on soft surfaces that may impede airflow.

- **Placement:** Place the amplifier on a stable, level surface away from direct sunlight, heat sources, and excessive moisture. Keep it away from strong electromagnetic fields.
- **Power Off When Not in Use:** If the unit will not be used for an extended period, it is advisable to power it off and unplug it from the wall outlet.
- **Cable Management:** Ensure all cables are securely connected and not under strain. Avoid bending cables sharply.

6. Troubleshooting

If you encounter issues with your S.M.S.L AL200, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power	Power cable not connected; power outlet faulty.	Ensure power cable is securely connected. Try a different power outlet.
No sound from speakers	Incorrect input selected; speaker cables loose; volume too low; amplifier in mute mode.	Verify correct input source. Check speaker cable connections. Increase volume. Press mute button on remote.
No sound from headphones	Headphones not fully plugged in; headphone volume too low.	Ensure headphones are fully inserted into the 6.35mm jack. Adjust headphone volume.
Bluetooth connection issues	Not in pairing mode; device too far; interference.	Ensure AL200 is in Bluetooth input mode. Re-pair the device. Move device closer to the amplifier. Reduce interference from other wireless devices.
High-pitched ringing/noise	Ground loop; faulty cables; interference from other electronics.	Try isolating the amplifier from other electronics. Use shielded cables. Test with different audio sources and cables to identify the source of the noise. If persistent, contact support.
Remote control not working	Batteries depleted; obstruction between remote and unit; remote sensor blocked.	Replace remote control batteries. Ensure no objects are blocking the line of sight to the amplifier's IR sensor.

If the problem persists after trying these solutions, please contact S.M.S.L customer support.

7. Specifications

Detailed technical specifications for the S.M.S.L AL200 amplifier:

- **Model Number:** AL200
- **Power Amplifier Chip:** Infineon MA5332MS
- **USB Processor:** XMOS XU-316
- **PCM Sampling Rate:** Up to 32bit/768kHz
- **DSD Playback:** Native DSD 256
- **Output Power:** 165W x 2 (into 4 ohms)
- **Inputs:** RCA, Bluetooth, USB, Coaxial, Optical
- **Headphone Output:** 6.35mm TRS jack
- **Bluetooth Version:** 5.0

- **EQ Presets:** 7 (Direct, Tone, SDB, Bass, Super bass, Rock, Soft, Clear)
- **Tone Control:** ±9dB for high and low tones
- **Item Weight:** 4.8 pounds
- **Package Dimensions:** 13.46 x 11.34 x 2.87 inches



Image: The S.M.S.L AL200 amplifier with its dimensions (210mm width, 198mm depth, 41mm height) and included accessories: power cable, USB Type-C cable, remote control, and user manual.



Image: A graphic summarizing key features including Bluetooth 5.0, MA5332MS chip, XMOS XU-316, MQA/DSD support, 165W output, 7 EQ presets, headphone amplifier, IR remote, and screen-off function.

8. Warranty and Support

The S.M.S.L AL200 comes with a 12-month warranty. During this period, you may return the item or request a replacement if you encounter any problems due to manufacturing defects.
For technical support, warranty claims, or further assistance, please contact S.M.S.L customer service through their official channels or the retailer from whom you purchased the product.

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